

Datasheet for ABIN7555892
LCMT2 Protein (AA 1-686) (His tag)



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Overview

Quantity:	1 mg
Target:	LCMT2
Protein Characteristics:	AA 1-686
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LCMT2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant LCMT2 Protein expressed in mammalian cells.
Sequence:	MGPRSRERRA GAVQNTNDSS ALSKRSLAAR GYVQDPFAAL LVPGAARRAP LIHRGYVVRA RAVRHCVRAF LEQIGAPQAA LRAQILSLGA GFDSL YFRLK TAGRLARAAV WEVDFPDVAR RKAERIGETP ELCALTGPFE RGE PASALCF ESADY CILGL DLRQLQRVEE ALGAAGLDAA SPTLLLAEAV LTYLEPESAA ALIAWAAQRF PNALFVVYEQ MRPQDAFGQF MLQHFRQLNS PLHGLERFPD VEAQRRRFLQ AGWTACGAVD MNEFYHCFLP AEERRRVENI EPFDEFEEWH LKCAHYFILA ASRGDTLSHT LVFSPSEAFP RVNPASPSGV FPASVVSSEG QVPNLKRYGH ASVFLSPDVI LSAGGFGEQE GRHCRVSQFH LLSRDCDSEW KGSQIGSCGT GVQWDGRLYH TMTRLSESRV LVLGGRLSPV SPALGVLQLH FFKSEDNNTE DLKVTITKAG RKDDSTLCCW RHSTTEVSCQ NQEYLFVYGG RSVVEPVLSD WHFLHVG TMA WVRIPVEGEV PEARHSHSAC TWQGGALIAG GLGASEEPLN SVLFLRPISC GFLWESVDIQ PPITPRYSHT AHVLNGKLLL VGGIWIHSSS FPGVTVINLT TGLSSEYQID TTYVPWPLML HNHTSILLPE EQQLLLLGGG GNCFSFGTYF NPHTVTL DLS SLSAGQ Sequence without tag. The proposed Purification-Tag

Product Details

is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: LCMT2

Alternative Name: LCMT2 ([LCMT2 Products](#))

Background: TRNA wybutosine-synthesizing protein 4 (tRNA yW-synthesizing protein 4) (EC 2.1.1.290) (EC 2.3.1.231) (Leucine carboxyl methyltransferase 2) (tRNA(Phe) (7-(3-amino-3-(methoxycarbonyl)propyl)wyosine(37)-N)-methoxycarbonyltransferase) (tRNA(Phe) (7-(3-amino-3-carboxypropyl)wyosine(37)-O)-methyltransferase),FUNCTION: Probable S-adenosyl-L-methionine-dependent methyltransferase that acts as a component of the wybutosine biosynthesis pathway. Wybutosine is a hyper modified guanosine with a tricyclic base found at the 3'-position adjacent to the anticodon of eukaryotic phenylalanine tRNA (By similarity). May methylate the carboxyl group of leucine residues to form alpha-leucine ester residues. {ECO:0000250}.

Target Details

Molecular Weight: 75.6 kDa

UniProt: [O60294](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months